BUREAU OF LAND MANAGEMENT
ELKO FIELD OFFICE
BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT

PART F - SPECIFICATIONS

SPECIFICATION TITLE:	**DOZER LINE REHABILITATION - ROADS, FIRE LINES, DISTURBED SITES**	**AGENCY:**	**BLM Elko F.O.**
PART E LINE ITEM:	**R-2 Natural Resource Restoration (BLM 98-148 III. M)**	**FISCAL YEAR(S) (list each year):**	**2001 - 2003**

I. WORK TO BE DONE

Number and Describe Each Task:

A. General Description: Dozer line rehabilitation will generally be rehabilitated with dozers on slopes up to 40%. Hand crews will be used on slopes greater than 40%. Hand crews will also work behind dozers and complete rehabilitation at locations determined to be impracticable for dozer rehabilitation by dozer operators.

B. Location (Suitable) Sites: See Fire Suppression Dozer Line Location Map (SEE MAP INDEX, TREATMENT SECTION).

C. Design/Construction Specifications:

1. Pull Berms: Pull Berms back over dozer lines, recontouring the land surface.

2. Slash Placement: Scatter available brush on slopes steeper than 20%.

3. Out Sloping Cut and Fills:

   A. Degree of out slope should be between 2 and 10%. If the road grade exceeds maximum allowable out slope, rolling dips or water bars should be included in design (see daigram below).

   B. No material shall be side cast from the road as a result of blading operations.

   C. All cut and fill slopes shall be made smooth and continuous with no ridges, gaps or depressions which may act to concentrate water.

4. Crown Dozer Line on Ridge Tops

   A. On ridge tops berms should be pulled onto the ridge line to allow water to sheet off the ridge and prevent water from channeling down the dozer line.

   B. Material pulled back onto the line should be compacted.

5. Waterbars (See Diagram Below)

   A. Where grades exceed 10%, berms to serve as waterbars should be installed at approximately a 45 degree angle to the slope. The berms should be a minimum of 3-feet high when compacted.

   B. No materials shall be side cast into stream channels as a result of construction.

   D. Purpose of Treatment Specifications: To prevent surface and gully erosion.

** Since all costs were charged to the fire suppression account and not ESR, costs are not itemized in this specification.

II. LABOR, MATERIALS AND OTHER COST:

PERSONNEL SERVICES: (Grade @ Cost/Hours X # Hours X # Fiscal Years = Cost/Item Do not include contract personnel costs here (see contractor services below).	**COST/ITEM**
Dozer Boss GS 7 @ $17.00 per hour x 40 hours x 3 people x 1 year	$2,040.00
Project Inspector GS 11@ $25.00 per hour x 40 hours x 2 people x 1 year	$2,000.00
TOTAL PERSONNEL SERVICE COST	**$4,040.00**
EQUIPMENT PURCHASE, LEASE AND /OR RENT (Item @ Cost/Hour X # of House X # Fiscal Years = Cost/Item): Note: Purchase require written justification that demonstrates cost benefits over leasing or renting.	**COST/ITEM**
Vehicle cost @ $33.00 per day x 4 days x 3 vehicles x 1 year	$396.00
Vehicle cost @ $0.17 per mile x 1000 miles x 3 vehicles x 1 year	$510.00
Vehicle fuel cost @ $40.00 per day x 4 days x 1 year	$160.00
TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST	**$1,066.00**
MATERIALS AND SUPPLIES: (Item @ Cost/Each X Quantity X # Fiscal Years = Cost/Item:	**COST/ITEM**
TOTAL MATERIALS AND SUPPLY COST	**N/A**
TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item:	**COST/ITEM**
TOTAL TRAVEL COST	**N/A**
CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):	**COST/ITEM**
4% Contract Administration & Oversight of Dozer and transport	$893.00
Transport @ 2.55 per mile x 800 miles x 3 Transports x 1 Year	$6,120.00
D6 Dozer @ $125 per hour x 40hours x 3 dozers x 1 Year	$15,000.00
Track Hoe @ 120 per hour x 10 hours x 1 year	$1,200.00
TOTAL CONTRACT COST	**$23,213.00**

SPECIFICATION COST SUMMARY

FISCAL YEAR	**UNIT**	**UNIT COST**	**# OF UNITS**	**COST**	**FUNDING SOURCE**	**METHOD**
FY 2001	**MILES**	**$1,838.90**	**15.4**	**$28,319.00**	**F**	**P/C/FC**
FY 2002						
FY 2003						
TOTAL:	**MILES**	**$1,838.90**	**15.4**	**$28,319.00**	**F**	**P/C/FC**

FUNDING SOURCES
F = Fire Suppression Account
ESR = Emergency Stabilization Rehabilitation
OP = Agency Operating Fund
O = Other

METHODS:
P = Agency Personnel Services
C = Contract (Long-Term)
EFC = Emergency Fire Contract
FC = Crew Labor Assigned to Fire

SOURCE OF COST ESTIMATE

1. Estimate obtained from 2-3 independent contractual sources.	
2. Documented cost figures from similar project work obtained from local agency sources.	
3. Estimate supported by cost guides from independent sources or other federal agencies.	
4. Estimates based upon government wage rates and material cost.	
5. No cost estimate required - cost charged to Fire Suppression Account.	F

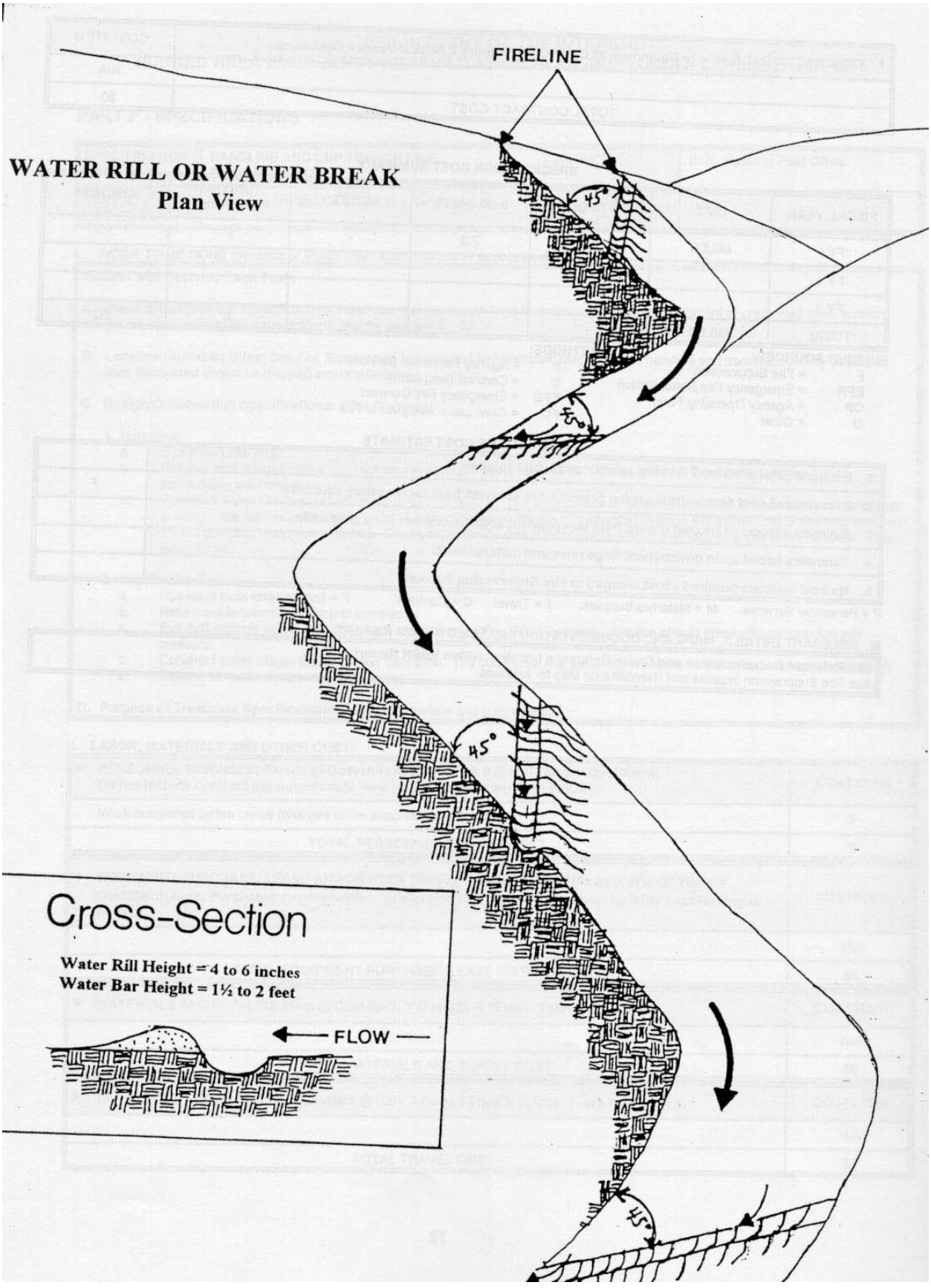
P = Personnel Services, **M** = Materials/Supplies, **T** = Travel, **C** = Contract, **F** = Suppression

III. RELEVANT DETAILS, MAPS AND DOCUMENTATION INCLUDED IN THIS REPORT:

List Relevant Documentation and Cross-Reference Location within BAER Report:
See Fire Suppression Impacts and Rehabilitation Map for Location (SEE MAP INDEX).

IV. TOTAL COST BY FIRE

FIRE NAME	UNITS TREATED	COST
Maggie Creek	**9.1**	**$16,733.96**
Metropolis	**4.2**	**$7,723.36**
Wine Cup	**2.1**	**$3,861.68**
TOTAL COST	**15.4**	**$28,319.00**


FIRELINE
WATER RILL OR WATER BREAK
Plan View
45°
45°
45°
45°
Cross-Section
Water Rill Height = 4 to 6 inches
Water Bar Height = 1½ to 2 feet
FLOW

Rolling Dip Construction